

400-596

9/19/2013

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 <p><b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b> Office of Chemical Safety and Pollution Prevention Office of Pesticide Programs Registration Division (7504P) 1200 Pennsylvania Ave., N.W. Washington, DC 20460</p> <p><b>NOTICE OF PESTICIDE:</b> <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration (under FIFRA, as amended)</p>	EPA Reg. Number: <b>400-596</b>	Date of Issuance: <b>SEP 19 2013</b>
	Term of Issuance: Unconditional	
	Name of Pesticide Product: <b>Vitacon 100 Pro FS Fungicide</b>	

Name and Address of Registrant (include ZIP Code): Chemtura Corporation 199 Benson Rd Middlebury, CT 06749	Mailed to: Allen R. Blem Product Registration Manager
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**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

The basic formulation CSF dated June 27, 2013 of the product referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act is acceptable. The basic CSF will be added to your file.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

Signature of Approving Official:  Tony Kish, Product Manager (22) Fungicide Branch/Registration Division/OPP/OCSP (7504P)	Date: <b>SEP 19 2013</b>
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1. Submit and/or cite all data required for registration/registration review of your product under FIFRA sec 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following change to the label:
  - a. Change the product registration number to "EPA Reg. No. 400-596"
3. Submit one copy of the revised final printed label for the record before the product is released for shipment.

Note: Submit the following data before the due date of 11/31/2014: Storage Stability (830.6317) and Corrosion Characteristics (830.6320) studies.

If these requirements are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A copy of your label stamped "Accepted" is enclosed for your records.



Tony Kish  
Product Manager (22)  
Fungicide Branch  
Registration Division (7504P)

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# VITACON 100 Pro FS Fungicide

SEED PROTECTANT

**Active Ingredients:**

carboxin (CAS No. 5234-68-4).....	35.52%*
ipconazole (CAS No. 125225-28-7).....	2.22%*
Other Ingredients.....	62.26%
Total: .....	100.00%

\*Contains 3.34 lbs. carboxin and 0.208 lbs. ipconazole per gallon, or 400 grams carboxin and 25 grams ipconazole per liter

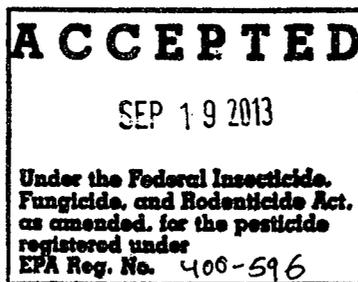
## KEEP OUT OF REACH OF CHILDREN CAUTION

<b>FIRST AID</b>							
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything to an unconscious person.</li> </ul>						
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>						
<p><b>EMERGENCY ASSISTANCE:</b> Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p> <table border="0" style="width: 100%;"> <tr> <td style="text-align: right;"><b>MEDICAL EMERGENCY:</b></td> <td style="text-align: right;"><b>800-292-5898</b></td> </tr> <tr> <td style="text-align: right;"><b>TRANSPORTATION EMERGENCY (CHEMTREC):</b></td> <td style="text-align: right;"><b>800-424-9300</b></td> </tr> <tr> <td style="text-align: right;"><b>PRODUCT SAFETY DATA (MSDS):</b></td> <td style="text-align: right;"><b>866-430-2775</b></td> </tr> </table>		<b>MEDICAL EMERGENCY:</b>	<b>800-292-5898</b>	<b>TRANSPORTATION EMERGENCY (CHEMTREC):</b>	<b>800-424-9300</b>	<b>PRODUCT SAFETY DATA (MSDS):</b>	<b>866-430-2775</b>
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<b>PRODUCT SAFETY DATA (MSDS):</b>	<b>866-430-2775</b>						
For PRODUCT USE INFORMATION: Call 800-243-2850							

Net Contents:

EPA Reg. No. 400-XXX  
EPA Est. No.  
001/

Manufactured for:  
Chemtura Corporation  
199 Benson Road  
Middlebury, CT 06749



[www.ChemturaAgroSolutions.com](http://www.ChemturaAgroSolutions.com)

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION. Harmful if swallowed.** Avoid contact with skin and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical resistant to this product are listed below. If you want more options, follow the instructions for Category C on an EPA chemical resistance category selection chart.

**All Mixers, Loaders, Applicators and other handlers must wear:** Long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, or Viton.

**User Safety Requirements:** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**USER SAFETY RECOMMENDATIONS**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change clothing.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Cover or incorporate spilled treated seeds. Do not contaminate water when disposing of equipment washwater or rinsate or by disposal of wastes.

Ipconazole may persist in soil, and long-term use in the same field may result in an accumulation of ipconazole.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional office of the EPA.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all label directions carefully before use.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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NOTE: **This product is undyed and uncolored.** When using formulations that do not contain dye or colorant, to comply with 21 CFR Part 2.25 and 40 CFR Part 153.155, treated seed must be colored with an approved dye or colorant (40 CFR Part 180.920) to distinguish and prevent subsequent and inadvertent use as a food for man or feed for animals.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

*Exception:* Once the seeds are planted in soil, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area without restriction if there will be no worker contact with the soil subsurface or treated seed.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is; coveralls, chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, or Viton; shoes plus socks.

**PRODUCT INFORMATION**

Vitacon 100 Pro FS Fungicide is a broad-spectrum, seed treatment fungicide containing ipconazole and carboxin for the control of labeled diseases on corn, dried shelled beans and soybeans. Seed should be sound and well cured before treatment.

To provide best seedling protection against a wide array of fungal pathogens, use Vitacon 100 Pro FS Fungicide in combination with a product containing metalaxyl (such as Belmont™ 2.7 FS) at the label rate registered for your crop and disease complex. Consult the label for appropriate use rate and follow the most restrictive use instructions and precautions for both products.

**ALWAYS SHAKE, STIR OR OTHERWISE MIX THIS PRODUCT WELL BEFORE USING**

**SEED TREATMENT EQUIPMENT**

Vitacon 100 Pro FS Fungicide is formulated for both commercial and for on-farm application. Not for use in hopper-box, planter-box, or slurry-box seed treatment applications. This product may be applied utilizing mechanical, slurry or mist-type seed treating equipment, provided that the equipment can be calibrated to accurately and uniformly apply the product to seed. Uniform application to seed is necessary to assure best disease protection and optimum performance. Seed should be sound and well cured before treatment. Refer to the label rates below.

Vitacon 100 Pro FS Fungicide requires dilution and the addition of colorant. Typically the total slurry volume (including water and other seed treatment products) will be within the range of 1.5 – 4.0 fl. oz./ 100 lbs. of seed. The amount of dilution water or container rinsate that is most suitable depends on the crop type, seed quality, treater type and weather conditions. Vitacon 100 Pro FS Fungicide and water or container rinsate should be mixed thoroughly prior to treating seed. Recalibrate treating equipment to compensate for the addition of water or container rinsate. Contact your local Chemtura representative or supplier for specific recommendations.

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Vitacon 100 Pro FS Fungicide must be THOROUGHLY AGITATED to ensure uniform mixing of the product, both prior to and during application.

Equipment Cleaning: Following applications, thoroughly rinse seed treatment equipment with water. Do not contaminate water by disposal of equipment wash water or rinsate.

**APPLICATION INSTRUCTIONS**

Crop	Application Rate	Symptoms (Disease Organisms) Controlled	Symptoms (Disease Organisms) Suppressed
Corn (field, sweet and popcorn )	1.5 fl. oz./100 lbs seed  OR  0.67 fl. oz./80,000 seed unit*	Seed rot caused by seedborne <i>Aspergillus</i> spp., <i>Cladosporium</i> spp., <i>Fusarium</i> spp. and <i>Rhizopus</i> spp. Seed rot and seedling blight caused by seed-borne and soil borne <i>Fusarium</i> spp. Seed rot caused by soilborne <i>Rhizoctonia solani</i>	Seed rot caused by seedborne <i>Penicillium</i> spp.
Dried shelled beans: Bean ( <i>Lupinus</i> spp.) - includes grain lupin, sweet lupin, white lupin and white sweet lupin; Bean ( <i>Phaseolus</i> spp.) - includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean, tepary bean; Bean ( <i>Vigna</i> spp.) - includes adzuki bean, blackeyed pea, catjung, cowpea, Crowder bean, moth bean, mung bean, rice bean, southern pea, urd bean Broad bean (dry), chickpea, guar, lablab bean, lentil	1.5 fl. oz./100 lbs seed	Seed rot, damping off and seedling blight, (including seed- and soil-borne <i>Fusarium</i> and <i>Rhizoctonia</i> .)	Seed-borne <i>Anthraxnose</i>
Soybean	1.5 fl. oz./100 lbs seed  OR  0.75 fl. oz./ 140,000 seed unit**	Seed rot, damping off and seedling blight, (including seed- and soil-borne <i>Fusarium</i> and <i>Rhizoctonia</i> , seed-borne <i>Sclerotinia</i> , and seed-borne <i>Diaporthe</i> ( <i>Phomopsis</i> ).  General seed rots (including those caused by <i>Penicillium</i> and <i>Aspergillus</i> )	

Note: \*The 80,000 corn seeds per seed unit is based on a count of 1800 corn seeds per pound.

\*\*The 140,000 soybean seeds per seed unit is based on a count of 2800 soybean seeds per pound.

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## USE RESTRICTIONS AND PRECAUTIONS

Do not use treated seed for food, feed or oil purposes. Care must be exercised in the handling of treated seed. Augers used for handling treated seed must not be used to move seed for feed, food or oil processing.

Laboratory and field studies have shown that Vitacon 100 Pro FS Fungicide will not adversely affect seed germination. Due to seed quality conditions beyond the control of Chemtura, no claims are made to guarantee germination of carry-over seed, as an untreated seed lot may decline in germination with storage irrespective of seed treatment application. Treatment of highly mechanically damaged seed or seed of known low vigor and poor quality may result in reduced germination and/or reduction of seed and seedling vigor. If seed lot quality is unknown, conduct a germination test on a small portion of seed before committing the total seed lot to a selected chemical treatment.

DO NOT use Vitacon 100 Pro FS Fungicide in combination with other seed treatment products unless compatibility has been verified. *Not for use on agricultural establishments in hopper-box, planter-box, slurry-box seed treatment applications.* Read and follow carefully all label directions of each combination product. When using combinations of products, the most restrictive of label limitations and precautions must be followed.

DO NOT graze or feed livestock on treated areas.

## TREATED SEED LABELING

Seed that has been treated with this product that is then packaged or bagged for future use must contain the following labeling on the outside of the seed package or bag:

"This bag contains seed treated with carboxin and ipconazole. Do not use treated seed for food or animal feed or processing for oil. Persons opening this bag or loading/pouring the treated seed must wear a long-sleeved shirt, long pants, chemical resistant gloves, shoes and socks.

Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting. Dispose of all excess treated seed by burying seed away from bodies of water. Do not contaminate bodies of water when disposing of planting equipment wash water. Dispose of seed packaging or containers in accordance with local requirements.

After seeds have been planted, do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. *Exception:* Once the seeds are planted and covered by soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no contact with soil/subsurface. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is: coveralls, chemical resistant gloves, shoes plus socks.

DO NOT graze or feed livestock on treated areas.

This product may have effects on federally listed threatened or endangered species or their critical habitat in some counties. It is a violation of federal law to kill, harm or harass listed animal species without authorization. To limit the potential for such impacts when using this product, consult and follow the instructions provided in the EPA Endangered Species Bulletin for the County or Parish in which you are applying the seed. To determine whether your County or Parish has a bulletin, consult <http://www.epa.gov/espp> before each season's use of this product. Bulletins also may be available from local pesticide dealers, extension offices, or State pesticide agencies."

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## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

### PESTICIDE STORAGE:

Store in original container only. After partial use, replace lid and close tightly. Store in a secure place that is temperate, dry and out of direct sunlight. Due to its viscosity, store this product above 50°F prior to and during application. DO NOT store Vitacon 100 Pro FS Fungicide at low temperatures. PROTECT FROM FREEZING. DO NOT apply direct heat to the container. ALWAYS SHAKE, STIR OR OTHERWISE MIX THIS PRODUCT WELL BEFORE USING.

### PESTICIDE DISPOSAL:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### CONTAINER HANDLING:

#### Nonrefillable container

**Plastic Containers:** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Then offer container for recycling, reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**Triple rinse as follows:** *For containers with capacity equal to or less than 5 gallons or 50 pounds:* Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Add water - at least 2% of the container volume, and (if the treating mixture composition permits it) up to ¼ of the container volume - and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.

*For containers with capacities greater than 5 gallons or 50 pounds:* Empty the remaining contents into application equipment or a mix tank. Add water - at least 2% of the container volume, and (if the treating mixture composition permits it) up to ¼ of the container volume. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 60 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.

#### Refillable container

Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

**To clean the container before final disposal,** empty the remaining contents into application equipment or mix tank. Add water - at least 2% of the container volume, and (if the treating mixture composition permits it) up to ¼ of the container volume. Replace and tighten closure. Agitate vigorously or recirculate the rinsate with a pump for at least 2 minutes, ensuring that the rinsate rinses the walls of the container. Empty the rinsate into application equipment or rinsate collection system, for later use or disposal. Repeat this procedure two more times. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.

#### Recycling

Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact the Ag Container Recycling Council (ACRC) at 1-877-952-2272 (toll free) or [www.acrecycle.org](http://www.acrecycle.org).

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**IMPORTANT NOTICE** - Seller warrants that this product conforms to the chemical description and is a reasonable fit for the purposes stated on the label only when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product, contrary to label instructions, or under conditions not reasonably foreseeable to seller, and, to the extent consistent with applicable law, the buyer assumes the risk of any such use.

Treatment of highly mechanically damaged seed or seed known to be of low vigor and poor quality may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small test sample of seed before treating commercial quantities with a selected chemical treatment. Due to seed quality and seed storage conditions beyond the control of Chemtura Corporation, Chemtura Corporation makes no claims or guarantees as to germination of carry-over seed.

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